

# VITAMINA<sup>®</sup>

RECHARGE YOUR SKIN



The first and only  
cosmeceutical cream  
**with cross-linking effect**

# The **first and only** cosmeceutical cream with **cross-linking** effect

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VITAMINA® is a cosmeceutical cream with anti-ageing, anti-wrinkle and depigmentation effect, the only one capable of providing a natural cross-linking effect.

Thanks to the high synergy between its components, VITAMINA® produces a natural cross-linking action on collagen fibers, protecting the skin, improving its elasticity and reducing spots. All VITAMINA® products contain natural active ingredients: being a cosmeceutical product, it will reduce the risk of adverse events.

VITAMINA® is a regenerating, stimulating and restructuring mix: thanks to the natural elements, your skin will appear rejuvenated, firm, smooth and radiant.



IT Patent n° 102013902188507

Made in Italy 

NICKEL TESTED

## From ophthalmic research to **cosmeceutics**

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Pharmacokinesis and pharmacodynamic studies on VITAMINA® formulation in the ophthalmic field shown several Riboflavin properties, as an activator in corneal cross-linking treatments:

- Reaction with corneal collagen fibrils
- Creation of inter-fibrillar covalent bonds
- Improvement of collagen fibers' strength, to restore their structure

These results, followed by other studies, shown similarities between corneal and skin collagen, suggesting a possible application of the formulation for cosmetic use. To verify such an assumption, an efficacy evaluation study was performed on VITAMINA® formulation, using a multi-parametric protocol, applied on volunteers.

The formulation showed an improvement in skin elasticity and compacting, with a good depigmentation action, promoted by a significant decrease of Melanin and erythema indexes.

# How it works

The natural active ingredients in the formulation work in total synergy, promoting a cross-linking action on skin collagen fibers, with the following effects:



**Creates**  
a protective  
shield



**Strenghtens**  
collagen  
fibers



**Stimulates**  
cellular  
repopulation



**Compacts**  
cellular  
layers



## Results\*

- IMPROVED ELASTICITY BY **62%**
- PIGMENTATION REDUCTION BY **36%**
- SKIN ISOTROPY REDUCED BY **33%**
- WRINKLE REDUCTION BY **30%**
- SKIN DESQUAMATION REDUCED BY **17%**
- MELANIN INDEX REDUCED BY **15%**
- ERYTHEMA INDEX REDUCED BY **10%**

\*Efficacy evaluation study - Ref. VTE-14F1: Properties analysis, performed at «Federico II» University (Naples, Italy).  
S. Laneri et Al. "Sodium Riboflavin Phosphate: a new component in anti-ageing cosmetics". Cosmetic Technology, May-June 2016(19)3.



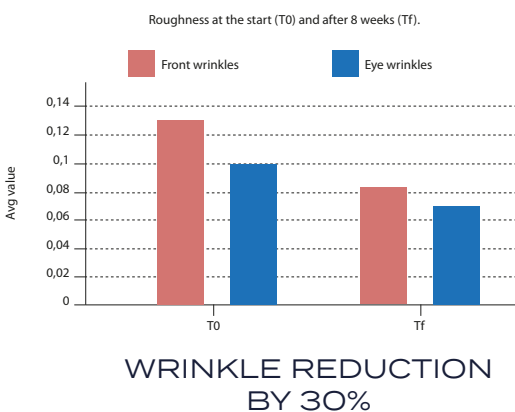
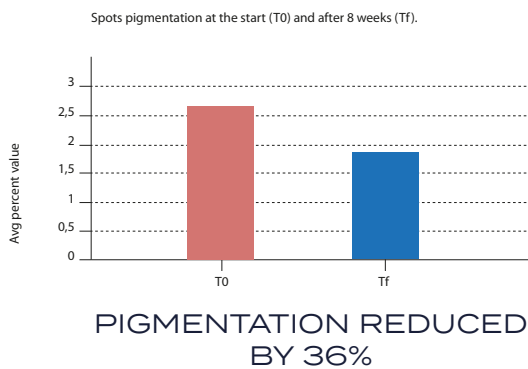
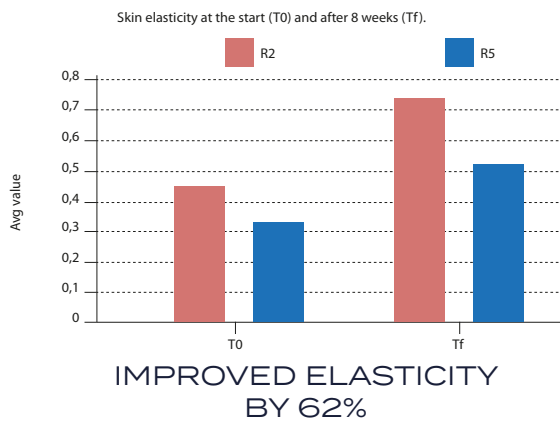
# Clinically tested

VITAMINA® product effectiveness was evaluated by an in-vivo study, performed at “Federico II” University (Naples, Italy).

Healthy volunteers, for 8 weeks, applied the cream twice a day (morning, night) on a specific area, selected by the operator, based on selected parameters (wrinkles, spots). Intermediate measurements (T1= 2 weeks; T2=4 weeks; T3= 6 weeks; Tf= 8 weeks) were performed on the same spots, with maximum replicability for the following instrumental evaluations:

- Skin desquamation
- Skin elasticity
- Sebum
- Pores
- Skin pigmentation
- Skin isotropy
- Roughness

All volunteers showed an emollient and firming effect, with a radiant and brightened face after two weeks of treatment. No subject showed intolerance to the cream. VITAMINA® improved elasticity and firmness, thanks to the natural collagen cross-linking effect.



Efficacy evaluation study - Ref. VTE-14F1: Properties analysis, «Federico II» University, Naples, Italy.

S. Laneri et Al. “Sodium Riboflavin Phosphate: a new component in anti-ageing cosmetics”. Cosmetic Technology, May-June 2016(19)3.

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### Sodium Riboflavin Phosphate

A new component in anti-ageing cosmetics

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**Keywords:**  
Riboflavin-5'-phosphate, anti-ageing, Depigmentation.

**Summary**  
In the present paper, we described an extensive testing by non-invasive methods on a recently marketed formulation containing Sodium Riboflavin-5'-phosphate, which led to substantiate its anti-ageing properties and, at the same time, evidenced an unexpected bleaching and lighting effect on skin. These findings pave the way to further studies about the use of Sodium Riboflavin-5'-phosphate as active ingredient in cosmetic products.

**Introduction**  
From several years our group is involved in the study of pharmacokinetic and pharmacodynamics of riboflavin-5'-phosphate (RF), by studying both its penetration through corneal epithelium and its ability to increase corneal collagen cross-linking after UV-A irradiation, as a widely used keratoconus treatment procedure. In keratoconus treatment, RF reacts with corneal collagen fibrils, creating covalent inter-fibrillar bonds that increase their mechanical resistance and restore corneal physiological curvature, otherwise altered by keratoconus' progression.

Since corneal collagen has a similar molecular packing to the skin (3), we decided to investigate the properties of a cosmetic with RF on a series of skin parameters, measurable by non-invasive in vitro methodologies.

Among the parameters, melanin and erythema indexes were considered, since the literature shows that RF interferes with melanogenesis (4) and is used in phototherapy (5).

In the cosmetic field, RF is used as dye (6) and as a co-factor to reduce C vitamin photodegradation in creams (7).

With those premises, a formulation with RF was considered (patent WO201503316A2) along with its effects on the skin, using an efficacy evaluation. The study protocol involved measurements on 20 (same volunteers, between 40 and 70 years old, who applied the cream twice a day for 8 weeks. At the start, during and at the end of the treatment a series of parameters was measured in different facial areas. Data were then analyzed and statistically compared. The formulation showed an increase in skin elasticity and firming effect, along with a depigmentation efficacy, caused by a significant reduction of melanin and erythema indexes.

**Materials and Methods**  
This study evaluated in vivo the efficacy of cream cod.3A, manufactured by IROMED group, used to improve clinical signs induced by skin photo-ageing. The study consisted in 8 weeks of treatment. The product, delivered in anonymous packages, was applied twice a day (morning and evening) on a specific facial area for the entire duration of the test. The application spot was alternated between the subjects, chosen by the operator depending on base parameters (wrinkles, spots), and intermediate

1



## ANTI-AGEING CREAM

(50 ml Airless)

code VITAO1AA

Skin compacting and restructuring,  
against the signs of ageing

### Description

Anti-ageing face cream, to activate natural skin defenses against ageing signs. The patented formulation of natural ingredients and oils promotes a revitalizing, compacting and replumping effect. Essential skincare treatment: the skin appears younger, tonic, smooth and radiant. The whole anti-ageing treatment has high effectiveness, and provides the skin natural elements for its beauty. The cream is an effective regenerating, stimulating and restructuring cocktail for your skin.

### Active

Vitamin B2, vitamin E, sulfur, hyaluronic acid, Karité butter, unsaponifiable olive oil.

### Ingredients

Aqua, Glyceryl Sterate, Steareth-25, Ceteth-20, Sterayl Alcohol, Dimethicone, Isononyl Isononanoate, Cetyl PEG/PPG-10/1 Dimethicone, Caprylic/Capric Triglycerides, Cyclopentasiloxane, Cyclohexasiloxane, Prunus Amygdalus Dulcis Oil, Olea Europaea Oil Unsaponifiables, Polyquaternium-11, Glycerin, Sodium Hyaluronate, Tocopheryl Acetate, Dimethyl Sulfone, Sodium Riboflavin Phosphate, Panthenol, Melilotus Officinalis Extract, Sodium Chloride, Edta, Potassium Sorbate, Sodium Benzoate, Parfum.



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## ANTI-WRINKLE CREAM

(50 ml Airless)

code VITAO2AR

Skin restructuring, for wrinkle reduction and prevention

### Description

Anti-wrinkle face cream. The patented formulation of natural ingredients and oils reduces collagen degradation thanks to a natural cross-linking action, preserving skin tone and protecting the derma. The skin appears uniform, smoother and softer, with a younger appearance. The whole anti-ageing treatment has high effectiveness, and provides the skin natural elements for its beauty. The cream is an effective regenerating, stimulating and restructuring cocktail for your skin.

### Active

Glycerin, panthenol, melilotus, vitamin B2, vitamin E, sulfur, hyaluronic acid, Karité butter, unsaponifiable olive oil.

### Ingredients

Aqua, Glyceryl Sterate, Steareth-25, Ceteth-20, Sterayl Alcohol, Dimethicone, Isononyl Isononanoate, Cetyl PEG/PPG-10/1 Dimethicone, Caprylic/Capric Triglycerides, Cyclopentasiloxane, Cyclohexasiloxane, Prunus Amygdalus Dulcis Oil, Olea Europaea Oil Unsaponifiables, Polyquaternium-11, Glycerin, Sodium Hyaluronate, Riboflavin Phosphate, Tocopheryl Acetate, Dimethyl Sulfone, Sodium, Melilotus Officinalis Extract, Panthenol, Sodium Chloride, Edta, Potassium Sorbate, Sodium Benzoate, Parfum.



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## DEPIGMENTATION CREAM

(50 ml Airless)

code VITAO3CD

Nourishes the skin, reducing spots pigmentation



### Description

Nourishing depigmentation cream. Melanin index decrease in the first two weeks of treatment, reducing skin spots, preventing their recurrence and leaving the skin soft and moisturized. The whole anti-ageing treatment has high effectiveness, and provides the skin natural elements for its beauty. The cream is an effective regenerating, stimulating and restructuring cocktail for your skin.

### Active

Aloe vera, vitamin B2, chamomile, sulfur, vitamin E, Karitè butter.

### Ingredients

Aqua, Glyceryl Sterate, Steareth-25, Ceteth-20, Sterayl Alcohol, Caprylic/Capric Triglycerides, Isononyl Isononanoate, Octyldodecanol, Glycerin, Tocopheryl Acetate, Dimethyl Sulfone, Sodium Riboflavin Phosphate, Aloe Barbadensis Leaf Juice, Chamomilla recutita Flower Water, Carbomer, Edta, Potassium Sorbate, Sodium Benzoate, Parfum.



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## BODY CREAM

(200 ml Airless)

code VITAO4CC

Moisturizing, regenerating and revitalizing acion for all skin types



### Description

Moisturizing Body cream. Promotes an intense dermo-restorative action and regenerates irritated, stressed and reddened skin. Essential skincare treatment: the skin appears younger, tonic, smooth and radiant. The whole anti-ageing treatment has high effectiveness, and provides the skin natural elements for its beauty. The cream is an effective regenerating, stimulating and restructuring cocktail for your skin.

### Active

Aloe vera, vitamin B2, chamomile, sulfur, vitamin E.

### Ingredients

Aqua, Glyceryl Sterate, Steareth-25, Ceteth-20, Sterayl Alcohol, Caprylic/Capric Triglycerides, Isononyl Isononanoate, Octyldodecanol, Glycerin, Aloe Barbadensis Leaf Juice, Tocopheryl Acetate, Dimethyl Sulfone, Sodium Riboflavin Phosphate, Chamomilla recutita Flower Water, Carbomer, Edta, Potassium Sorbate, Sodium Benzoate, Parfum.



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## LIP CONTOUR SERUM

(15 ml)

code VITAO5SL

Smoothing and replumping anti-wrinkle serum

### Description

Lip contour serum for ageing signs correction. The patented formulation of natural ingredients and oils promotes a replumping effect. Wrinkles appear immediately smoother, and after one month of treatment the skin has a much more toned image.

### Active

Hyaluronic acid, vitamin B2, sulfur, vitamin E.

### Ingredients

Aqua, Sodium Hyaluronate, Glycerin, Riboflavin Phosphate, Tocopheryl Acetate, Panthenol, Phospholipids, Escin, Dimethyl Sulfone, Edta, Imidazolidinyl Urea.



971480672

## EYE CONTOUR SERUM

(15 ml)

code VITAO6SO

Anti-wrinkle smoothing serum

### Description

Eye contour serum with intense wrinkle countering action, with visible results against bags and dark circles. The patented formulation of natural ingredients and oils promotes cellular activity for a smoothing, revitalizing and brightening effect.

### Active

Hyaluronic acid, vitamin B2, sulfur, vitamin E.

### Ingredients

Aqua, Sodium Hyaluronate, Glycerin, Riboflavin Phosphate, Tocopheryl Acetate, Panthenol, Phospholipids, Escin, Dimethyl Sulfone, Edta, Imidazolidinyl Urea.



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